

Claim Amendments:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-22 (Canceled).

23. (New) A superconductive article comprising:

a substrate tape; and

a superconductive layer, wherein the superconductive layer comprises a plurality of superconductive films of the same material, the plurality of superconductive films being in direct contact with each other.

24. (New) The superconductive article of claim 23, wherein the substrate tape comprises a metal.

25. (New) The superconductive article of claim 23 wherein the substrate tape contains nickel.

26. (New) The superconducting article of claim 25 wherein the substrate tape comprises stainless steel.

27. (New) The superconducting article of claim 25 wherein the substrate tape comprises Inconel.

28. (New) The superconducting article of claim 23 wherein the substrate tape comprises a previously deposited buffer layer.

29. (New) The superconducting article of claim 28 wherein the buffer layer has a bi-axial texture.

30. (New) The superconducting article of claim 28 wherein the buffer layer comprises yttrium-stabilized zirconia (YSZ).

31. (New) The superconducting article of claim 23 wherein the superconducting layer comprises a high-temperature superconductor.

32. (New) The superconducting article of claim 31 wherein the high temperature superconductor layer comprises a rare earth oxide.

33. (New) The superconducting article of claim 31 wherein the rare earth oxide comprises YBCO ($\text{YBa}_2\text{Cu}_3\text{O}_7$).

34. (New) The superconducting article of claim 33 wherein the superconducting layer comprises Sm123 ($\text{SmBa}_2\text{Cu}_3\text{O}_7$)

35. (New) The superconducting article of claim 23 wherein the superconducting layer comprises at least 3 superconductive films.

36. (New) The superconducting article of claim 35 wherein the superconducting layer comprises at least 4 superconductive films.

37. (New) The superconducting article of claim 23 wherein at least two of the superconductive films in direct contact with each other have different thicknesses.

38. (New) The superconducting article of claim 23 wherein the superconductive layer has a thickness greater than 1.5 microns.

39. (New) The superconducting article of claim 38 wherein the superconducting layer has a thickness greater than about 2 microns.

40. (New) The superconducting article of claim 23 wherein each of the plurality of superconductive films does not exceed a thickness of 1.5 microns.

41. (New) The superconducting article of claim 23 wherein the superconducting article has a current capacity of at least 100A/cm width.

42. (New) The superconducting article of claim 23 wherein the superconducting article has a current density capability of greater than 0.6 MA/cm^2 .

43. (New) A superconducting article comprising:

a metal substrate tape containing a previously deposited buffer layer; and

a superconductive layer, wherein the superconductive layer (i) comprises at least first, second and third superconductive films of the same high-temperature superconductive material, the first and second, and the second and third superconductive films being in direct contact with each other, respectively, and (ii) has a thickness of greater than 2 microns.